

INVENTOR: FALBO, Michael G.  
TITLE: SUPINE ERGOMETER LEG BRACE

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## CLAIMS

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent is as follows:

1. A supine bicycle echocardiography table that is tiltable about its longitudinal axis and having a crank and a pedal arm for operating the bicycle portion, the table comprising a leg support having a first end for capturing a patient's leg and a second end for rotatable connection about the bicycle pedal arm.

2. The table as claimed in claim 1 further comprising a strap for securing the leg to the support.

3. The table as claimed in claim 1 further comprising a pad covering the support.

4. A supine bicycle echocardiography table tiltable about its longitudinal axis and having a crank and a pedal for operating the bicycle portion, the table comprising a leg support having a first end for capturing a patient's leg and a second end for rotatable connection with the bicycle crank.

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1           5.     The table as claimed in claim 4 further comprising a strap for securing  
2 the leg to the support.

3           6.     The table as claimed in claim 4 further comprising a pad covering the  
4 support.

5           7.     A leg holder for attachment to the bicycle crank assembly of a laterally  
6 tiltable supine bicycle echocardiography table said leg holder following the movement  
7 of the crank assembly as the bicycle is operated by a user comprising:

8                 a support for attachment to the leg of a user,

9                 a housing,

10                a bearing in said housing said bearing being connected to the

11                         crank assembly for rotation with the crank assembly,

12                 a receiver attached to said housing, and

13                 a shaft having a first end and a second end, said first end

14                         connected to said leg support and said shaft second end

15                         connected to said receiver.

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1           8.    Leg support for attachment to the bicycle crank of a laterally tiltable  
2   supine bicycle echocardiography table comprising:

3               a leg pad,

4               a bearing rotatably attached to the crank, and

5               a support rod connecting said bearing to said pad.

6           9.    The device as claimed in claim 8 further comprising a strap for securing  
the leg to the pad.

10.   A leg support for attachment to the crank of a laterally tiltable supine  
bicycle echocardiography table comprising:

11               a leg pad,

12               a bearing comprising a housing said housing rotatably supporting the bicycle  
pedal arm therein, and

13               a support rod connecting said bearing to said pad.

14           11.   The device as claimed in claim 10 further comprising a strap for  
15   securing the leg to the pad.

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1           12.    A method of reducing the strain on the knee and hip joints of a patient on  
2 a supine bicycle echocardiography table during the tilting of the table comprising the  
3 steps of:

4           securing the leg of a patient to a support device to maintain a generally  
5 perpendicular alignment between the patient's leg and the bicycle peddle; and  
6           tilting the patient and table.

7           13.    A method of reducing the strain on the knee and hip joints of a patient  
while pedaling a bicycle of a supine bicycle echocardiography table during the tilting of  
the table comprising the steps of:

          placing the foot of the patient on the pedal of the supine bicycle,  
          attaching a first end of a support device to the leg of the patient,  
          securing a second end of said support device to the crank assembly of the  
          supine bicycle.